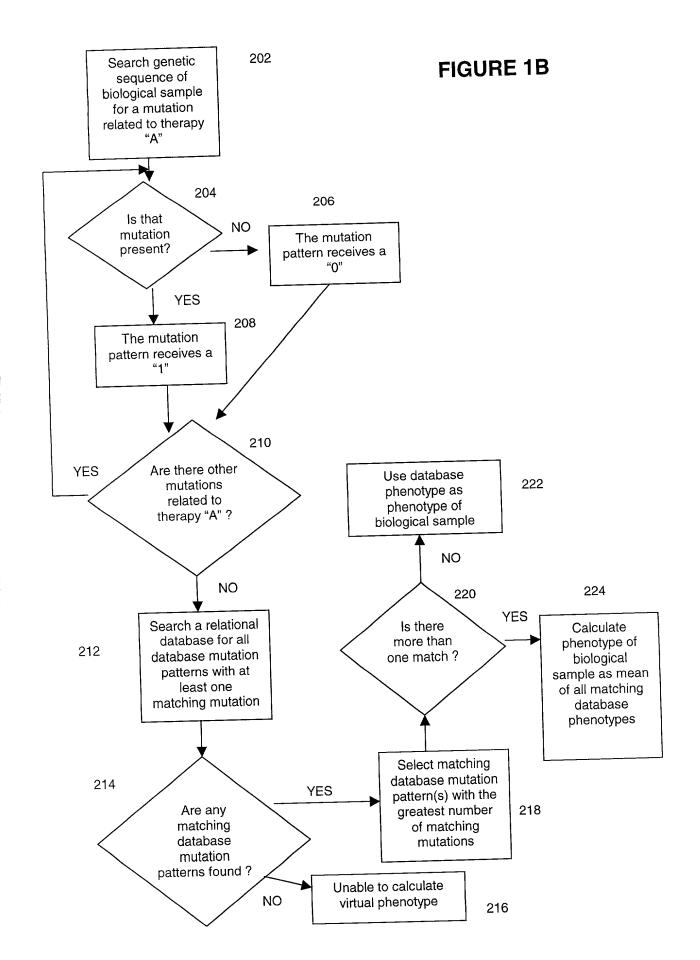


FIGURE 1A



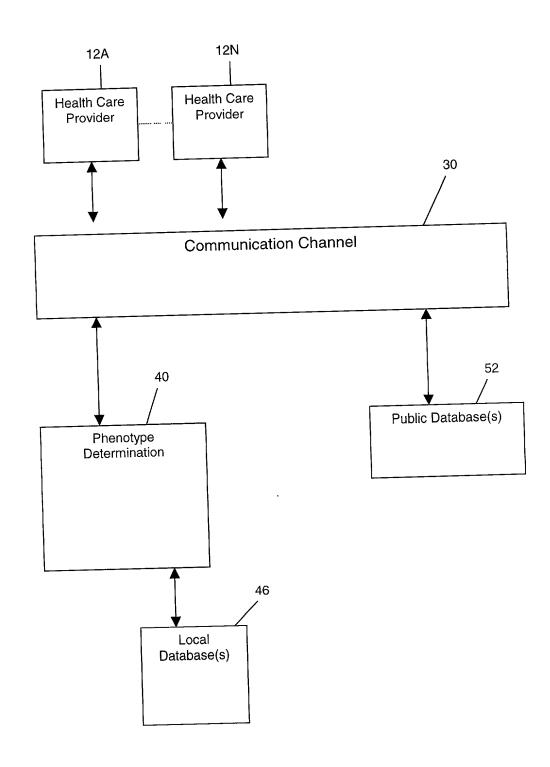
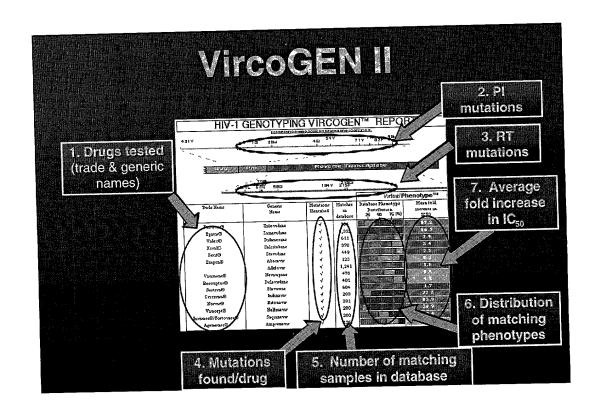
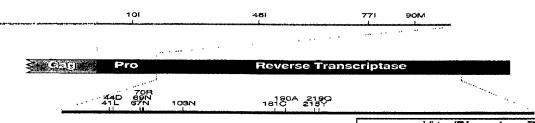


FIGURE 2

FIGURE 3



HIV-1 GENOTYPING VIRCOGENTM REPORT



				<i>Virtual</i> Phenotype™	
Trade Name	Generic Name	Mutations Identified	Matches in database	Database Phenotype Distribution 25 50 75 (%)	Mean fold increase in IC50
Retrovir®	Zidovuđine	\ \	132		73.6
Epivir@	Lamivudine	1	874	1988	9.6
Videx@	Didanosine	1	585		1.8
Hivid®	Zalcitabine	٧ /	329		1.5
Zerit®	Stavudine	1	·549		3.7
Ziagen®	Abacavır	1	33		2.3
	Adefovir	1	1,010		2.2
Viramune®	Nevirapine	1	108		138.0
Rescriptor®	Delavirdin e	4	102		162.0
Sustiva®	Bfavirenz	1	97		267.3
Crixivan®	Indinavir	√ /	303		13.0
Norvir®	Ritonavir	1	301	540,5753	15.2
Viracept®	Nelfinavir	1	302	<u> 89</u>	29.5
Invirase®/Fortovase®	Saquinavir	√	301	(4554A)	7.9
A generase®	Amprenavir	₩	215		3.1

Virtual & Actual phenotypes

	Matches in Database	Database Pheno spread 25% 50% 75%	Median fold increase in IC50	Actual Phenotype
Indinavir	139		13x	17x
Ritonavir	139		115x	179x
Nelfinavir	139	The set of	17x	63x
Saquinavir	139		30x	32x
Amprenavir	139		5x	7.5x

Overall Concordance

- 10,000 Samples:
 - -Complete concordance: 90 94%
 - -Partial concordance: 6 9%
 - -Discordance: <1%

